



Field Service Procedure

Part Number: SP00252
Rev: A
Date: 4 March 2003
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Saturn v4.10 Protocol Update Instructions

Change History

Revision	Description	Date	Approval
-	Initial Release: Used to update Saturn 4.1.	07/23/02	
1.0	Updated for review	07/30/02	
1.1	Added steps for Windows 2000 users	08/06/02	
1.2	Added steps required by Technical Service	08/12/02	
1.3	Added Release_str=4.10.6.5, added Software Requirements reference to the Protocol Update CD	1/22/03	

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1.0 Reference Documents

1.1 Purpose

This document describes the steps necessary to update the Saturn Information System with the Saturn v4.10 Protocol Update.

1.2 Software Requirements

PART	DESCRIPTION
4117664-002	CD - Install Server - Saturn 4.10
4117665-002	CD - Install Workstation - Saturn 4.10
4117969-001	CD - Protocol Update - Saturn 4.10

1.3 Applicable Documents

DOC#	DESCRIPTION
4116113	Saturn Setup/Installation Instruction Manual
TBD	Saturn System Checkout Procedure

2.0 Applying the Server Database Upgrade

The following steps are required to update the Saturn Server with the v4.10 Protocol Update:

NOTE: This update assumes Sybase and the Database have been installed on the D:\ drive. If the installation was not completed on the D:\ drive, substitute the correct drive letter in this procedure.

- 2.1 Launch Sybase Central and connect to the Saturn database. Expand the database tables and right-click 'VersionInfo' and select View Data.
- 2.2 Verify that the Server has the Saturn v4.10 Server Software installed. In the SQL window verify the 'Release_str=4.10.1.1'.
- 2.3 Create a directory named **4_xUpdate** on the server under D:\NAD.
- 2.4 Copy the contents of the update CD to the newly created 4_xUpdate directory.

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- 2.5 Under Services in Control Panel, Stop and Disable the Scheduler/Task Scheduler service.

NOTE: Windows 2000 Services are located in Administrative Tools of the Control Panel.

- 2.6 Verify that no backups or validates are running against the production server database, or any other server services are running.
- 2.7 Open Sybase Central and select the Services folder.
- 2.8 Stop the Server Service PCAPPS_Server in Sybase Central by right-clicking on PCAPPS_Server and selecting Stop.
- 2.9 Right-click on PCAPPS_Server and select Properties.
- 2.10 Select the Configuration tab and change the -x parameter from 'TCPIP' to 'NONE' in the Parameters for executable box.
- 2.11 Select Apply & OK

NOTE: The Server4_xUpgrade.bat and Server_4xUpdate.sql files assume that Sybase and the Database have been installed on the D:\ drive using default settings. If the installation was not completed on the D:\ drive and/or default settings were not used, you will need to modify the **Server4_xUpgrade.bat** and **Server_4xUpdate.sql** files. The bat file will start the database, modify it, and stop the database.

- 2.12 Open the Command Prompt window and change directory to D:\NAD\4_xUpdate\Server.
- 2.13 Run the batch file Sever4_xUpdate.bat located in the D:\NAD\4_xUpdate\Server directory from the command prompt making sure to pass in the database user password. Example: Sever4_xUpdate.bat *dbpassword*
- 2.14 Contact Saturn Support if any error messages are displayed.
- 2.15 Close Command Prompt window and return to Sybase Central.
- 2.16 Change the -x parameter from 'NONE' to 'TCPIP' for PCAPPS_Server Properties. (see Step 2.9 above).
- 2.17 Click Apply & OK.
- 2.18 Start the Server Service PCAPPS_Server by right-clicking on PCAPPS_Server and selecting Start.

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- 2.19 Connect to the Saturn database. Expand the database tables and right-click 'VersionInfo' and select View Data. In the SQL window verify the 'Release_str=4.10.6.1.' and verify the release 'Release_str=4.10.6.5'.
- 2.20 Exit Sybase Central on the server.
- 2.21 Restart the Scheduler/Task Scheduler service that was stopped in Step 2.5 above, and set it to **Automatic** start.
- 2.22 Share the D:\NAD\4_xUpdate\Local directory for workstation access.

*** **SATURN SERVER v4.10 UPDATE COMPLETED** ***

3.0 Workstation Update Preparation

The following steps are required to prepare for the Saturn Workstation v4.10 Protocol Update:

- 3.1 Verify that the workstation to be updated has Saturn v4.10 software installed by selecting About Recorder... from the Help menu in the Recorder application.
- 3.2 Ensure that the workstation to be updated is not currently running a case. The update cannot be applied until the case has completed.
- 3.3 For Windows 2000 proceed to the **NOTE:** below.
- 3.4 Shut down the Saturn Applications, System 1 Manager, Recorder, and NADRepAgent via the Task Manager in this order:
 - 3.4.1 In the Applications Tab, highlight **System 1 Manager** and select **End Task**.
 - 3.4.2 In the Applications Tab, highlight **Saturn Information System: Recorder** and select **End Task**.
 - 3.4.3 In the Processes Tab, highlight **NADRepAgent.exe** (or NADRep~1.exe) and select **End Process**.

NOTE: For Windows 2000 Clinical Workstations select File, then Exit from Recorder. Hold down the Shift key during reboot. log onto the computer as Local Administrator and ensure that Saturn Applications are not running prior to completing Step 3.5.

- 3.5 Map a network drive to the Server containing the **Local** shared directory:
 - 3.5.1 Open the Windows Explorer application.
 - 3.5.2 Locate the **Local** shared directory, right-click and select **Map Network Drive**.

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3.6 Update preparation is complete.

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4.0 Applying v4.10 Protocol Update to a Clinical Workstation

The following steps are required to apply the Saturn Workstation v4.10 Protocol Update:

- 4.1 Via the Windows Explorer, go to the Mapped Network Drive, set up above, and locate the batch file, **Local4_xUpdate.bat**.
- 4.2 Execute the batch file to apply the Software Update. It will open a Command Prompt Window displaying the Update steps as they occur.
- 4.3 Instructions and a description of the Update are displayed. Read and follow the instructions and verify the update version - **v4.10 to Protocol Update**. Press any key when you are ready to continue. To abort the batch file, press **<Ctrl>C**, and press **Y** to terminate.
- 4.4 The batch file will copy *.exes*, *.dlls*, and *.dscs*, update the Registry, and update the local database. If prompted to overwrite files and/or update the Registry, choose **YES**.
- 4.5 Select **OK** when the Informational Registry Editor Message Box appears stating, "Information has been successfully entered in the registry."
- 4.6 Finally, **Done** is displayed. Scroll through the window to check for any errors. If the Command Prompt Window is setup according to the description in the beginning of the batch file, you will be able to scroll to check for any errors.
- 4.7 Contact Saturn Support if any error messages are displayed.
- 4.8 Press any key to complete and exit the batch file.
- 4.9 Open the C:\Nad\Local4_xupdate.txt file and review it for local database errors.
- 4.10 Contact Saturn Support if any error messages are displayed.
- 4.11 **Reboot** the Workstation. The system must be rebooted to enable the Software Update.

*** SATURN WORKSTATION v4.10 UPDATE COMPLETED ***

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Printed in the U.S.A.